

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/965,529

DATE: 11/14/2001
TIME: 09:52:53

Input Set : A:\PTO.MBH.txt
Output Set: N:\CRF3\11142001\I965529.raw

2 <110> APPLICANT: LAL, Preeti
3 YUE, Henry
4 TANG, Y. Tom
5 BANDMAN, Olga
6 BURFORD, Neil
7 AZIMZAI, Yalda
8 BAUGHN, Mariah R.
9 LU, Dyung Aine M.
10 PATTERSON, Chandra
W--> 11 <120> TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
W--> 12 <130> FILE REFERENCE: PP-0731 USA
W--> 13 <140> CURRENT APPLICATION NUMBER: To Be Assigned
C--> 14 <141> CURRENT FILING DATE: 2001-09-26
15 <150> PRIOR APPLICATION NUMBER: 60/149,641
16 <151> PRIOR FILING DATE: 1999-08-17
17 <150> PRIOR APPLICATION NUMBER: 60/164,203
18 <151> PRIOR FILING DATE: 1999-11-09
19 <150> PRIOR APPLICATION NUMBER: PCT/US00/22315
20 <151> PRIOR FILING DATE: 2000-08-14
W--> 21 <160> NUMBER OF SEQ ID: 74
22 <170> SOFTWARE: PERL Program
W--> 23 <210> SEQ ID NO: 1
24 <211> LENGTH: 351
25 <212> TYPE: PRT
26 <213> ORGANISM: Homo sapiens
W--> 27 <220> FEATURE:
28 <221> NAME/KEY: misc_feature
29 <223> OTHER INFORMATION: Incyte ID No: 112301CD1
W--> 30 <400> SEQUENCE: 1
31 Met Thr Leu Arg Leu Leu Glu Asp Trp Cys Arg Gly Met Asp Met
32 1 5 10 15
33 Asn Pro Arg Lys Ala Leu Leu Ile Ala Gly Ile Ser Gln Ser Cys
34 20 25 30
35 Ser Val Ala Glu Ile Glu Glu Ala Leu Gln Ala Gly Leu Ala Pro
36 35 40 45
37 Leu Gly Glu Tyr Arg Leu Leu Gly Arg Met Phe Arg Arg Asp Glu
38 50 55 60
39 Asn Arg Lys Val Ala Leu Val Gly Leu Thr Ala Glu Thr Ser His
40 65 70 75
41 Ala Leu Val Pro Lys Glu Ile Pro Gly Lys Gly Gly Ile Trp Arg
42 80 85 90
43 Val Ile Phe Lys Pro Pro Asp Pro Asp Asn Thr Phe Leu Ser Arg
44 95 100 105
45 Leu Asn Glu Phe Leu Ala Gly Glu Met Thr Val Gly Glu Leu
46 110 115 120
47 Ser Arg Ala Leu Gly His Glu Asn Gly Ser Leu Asp Pro Glu Gln
48 125 130 135

ENTERED

P-5

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/965,529

DATE: 11/14/2001
TIME: 09:52:53

Input Set : A:\PTO.MBH.txt
Output Set: N:\CRF3\11142001\I965529.raw

49	Gly	Met	Ile	Pro	Glu	Met	Trp	Ala	Pro	Met	Leu	Ala	Gln	Ala	Leu
50					140					145					150
51	Glu	Ala	Leu	Gln	Pro	Ala	Leu	Gln	Cys	Leu	Lys	Tyr	Lys	Lys	Leu
52					155					160					165
53	Arg	Val	Phe	Ser	Gly	Arg	Glu	Ser	Pro	Glu	Pro	Gly	Glu	Glu	Glu
54					170					175					180
55	Phe	Gly	Arg	Trp	Met	Phe	His	Thr	Thr	Gln	Met	Ile	Lys	Ala	Trp
56					185					190					195
57	Gln	Val	Pro	Asp	Val	Glu	Lys	Arg	Arg	Leu	Leu	Glu	Ser	Leu	
58					200					205					210
59	Arg	Gly	Pro	Ala	Leu	Asp	Val	Ile	Arg	Val	Leu	Lys	Ile	Asn	Asn
60					215					220					225
61	Pro	Leu	Ile	Thr	Val	Asp	Glu	Cys	Leu	Gln	Ala	Leu	Glu	Glu	Val
62					230					235					240
63	Phe	Gly	Val	Thr	Asp	Asn	Pro	Arg	Glu	Leu	Gln	Val	Lys	Tyr	Leu
64					245					250					255
65	Thr	Thr	Tyr	Gln	Lys	Asp	Glu	Glu	Lys	Leu	Ser	Ala	Tyr	Val	Leu
66					260					265					270
67	Arg	Leu	Glu	Pro	Leu	Leu	Gln	Lys	Leu	Val	Gln	Arg	Gly	Ala	Ile
68					275					280					285
69	Glu	Arg	Asp	Ala	Val	Asn	Gln	Ala	Arg	Leu	Asp	Gln	Val	Ile	Ala
70					290					295					300
71	Gly	Ala	Val	His	Lys	Thr	Ile	Arg	Arg	Glu	Leu	Asn	Leu	Pro	Glu
72					305					310					315
73	Asp	Gly	Pro	Ala	Pro	Gly	Phe	Leu	Gln	Leu	Leu	Val	Leu	Ile	Lys
74					320					325					330
75	Tsp	Tyr	Glu	Ala	Ala	Glu	Glu	Glu	Ala	Leu	Leu	Gln	Ala	Ile	
76					335					340					345
77	Leu	Glu	Gly	Asn	Phe	Thr									
78					350										

79 <210> SEQ ID NO: 2

80 <211> LENGTH: 458

81 <212> TYPE: PRT

82 <213> ORGANISM: Homo sapiens

W--> 83 <220> FEATURE:

84 <221> NAME/KEY: misc_feature

85 <223> OTHER INFORMATION: Incyte ID No: 997947CD1

W--> 86 <400> SEQUENCE: 2

87	Met	Gln	Ala	Thr	Ser	Asn	Leu	Leu	Asn	Leu	Leu	Leu	Ser	Leu	
88	1			5					10					15	
89	Phe	Ala	Gly	Leu	Asp	Pro	Ser	Lys	Thr	Gln	Ile	Ser	Pro	Lys	Glu
90					20					25					30
91	Gly	Trp	Gln	Val	Tyr	Ser	Ser	Ala	Gln	Asp	Pro	Asp	Gly	Arg	Cys
92					35					40					45
93	Ile	Cys	Thr	Val	Val	Ala	Pro	Glu	Gln	Asn	Leu	Cys	Ser	Arg	Asp
94					50					55					60
95	Ala	Lys	Ser	Arg	Gln	Leu	Arg	Gln	Leu	Leu	Glu	Lys	Val	Gln	Asn
96					65					70					75
97	Met	Ser	Gln	Ser	Ile	Glu	Val	Leu	Asn	Leu	Arg	Thr	Gln	Arg	Asp

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/965,529

DATE: 11/14/2001

TIME: 09:52:53

Input Set : A:\PTO.MBH.txt
 Output Set: N:\CRF3\11142001\I965529.raw

98	80	85	90
99	Phe Gln Tyr Val Leu Lys Met Glu Thr Gln Met Lys Gly Leu Lys		
100	95	100	105
101	Ala Lys Phe Arg Gln Ile Glu Asp Asp Arg Lys Thr Leu Met Thr		
102	110	115	120
103	Lys His Phe Gln Glu Leu Lys Glu Lys Met Asp Glu Leu Leu Pro		
104	125	130	135
105	Leu Ile Pro Val Leu Glu Gln Tyr Lys Thr Asp Ala Lys Leu Ile		
106	140	145	150
107	Thr Gln Phe Lys Glu Glu Ile Arg Asn Leu Ser Ala Val Leu Thr		
108	155	160	165
109	Gly Ile Gln Glu Glu Ile Gly Ala Tyr Asp Tyr Glu Glu Leu His		
110	170	175	180
111	Gln Arg Val Leu Ser Leu Glu Thr Arg Leu Arg Asp Cys Met Lys		
112	185	190	195
113	Lys Leu Thr Cys Gly Lys Leu Met Lys Ile Thr Gly Pro Val Thr		
114	200	205	210
115	Val Lys Thr Ser Gly Thr Arg Phe Gly Ala Trp Met Thr Asp Pro		
116	215	220	225
117	Leu Ala Ser Glu Lys Asn Asn Arg Val Trp Tyr Met Asp Ser Tyr		
118	230	235	240
119	Thr Asn Asn Lys Ile Val Arg Glu Tyr Lys Ser Ile Ala Asp Phe		
120	245	250	255
121	Val Ser Gly Ala Glu Ser Arg Thr Tyr Asn Leu Pro Phe Lys Trp		
122	260	265	270
123	Ala Gly Thr Asn His Val Val Tyr Asn Gly Ser Leu Tyr Phe Asn		
124	275	280	285
125	Lys Tyr Gln Ser Asn Ile Ile Ile Lys Tyr Ser Phe Asp Met Gly		
126	290	295	300
127	Arg Val Leu Ala Gln Arg Ser Leu Glu Tyr Ala Gly Phe His Asn		
128	305	310	315
129	Val Tyr Pro Tyr Thr Trp Gly Gly Phe Ser Asp Ile Asp Leu Met		
130	320	325	330
131	Ala Asp Glu Ile Gly Leu Trp Ala Val Tyr Ala Thr Asn Gln Asn		
132	335	340	345
133	Ala Gly Asn Ile Val Ile Ser Gln Leu Asn Gln Asp Thr Leu Glu		
134	350	355	360
135	Val Met Lys Ser Trp Ser Thr Gly Tyr Pro Lys Arg Ser Ala Gly		
136	365	370	375
137	Glu Ser Phe Met Ile Cys Gly Thr Leu Tyr Val Thr Asn Ser His		
138	380	385	390
139	Leu Thr Gly Ala Lys Val Tyr Tyr Ser Tyr Ser Thr Lys Thr Ser		
140	395	400	405
141	Thr Tyr Glu Tyr Thr Asp Ile Pro Phe His Asn Gln Tyr Phe His		
142	410	415	420
143	Ile Ser Met Leu Asp Tyr Asn Ala Arg Asp Arg Ala Leu Tyr Ala		
144	425	430	435
145	Trp Asn Asn Gly His Gln Val Leu Phe Asn Val Thr Leu Phe His		
146	440	445	450

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/965,529

DATE: 11/14/2001

TIME: 09:52:53

Input Set : A:\PTO.MBH.txt

Output Set: N:\CRF3\11142001\I965529.raw

147 Ile Ile Lys Thr Glu Asp Asp Thr
 148 455

149 <210> SEQ ID NO: 3

150 <211> LENGTH: 219

151 <212> TYPE: PRT

152 <213> ORGANISM: Homo sapiens

W--> 153 <220> FEATURE:

154 <221> NAME/KEY: misc_feature

155 <223> OTHER INFORMATION: Incyte ID No: 1521513CD1

W--> 156 <400> SEQUENCE: 3

157 Met Asn Ser Ser Lys Ser Ser Glu Thr Gln Cys Thr Glu Arg Gly
 158 1 5 10 15
 159 Cys Phe Ser Ser Gln Met Phe Leu Trp Thr Val Ala Gly Ile Pro
 160 20 25 30
 161 Ile Leu Phe Leu Ser Ala Cys Phe Ile Thr Arg Cys Val Val Thr
 162 35 40 45
 163 Phe Arg Ile Phe Gln Thr Cys Asp Glu Lys Lys Phe Gln Leu Pro
 164 50 55 60
 165 Glu Asn Phe Thr Glu Leu Ser Cys Tyr Asn Tyr Gly Ser Gly Ser
 166 65 70 75
 167 Val Lys Asn Cys Cys Pro Leu Asn Trp Glu Tyr Phe Gln Ser Ser
 168 80 85 90
 169 Cys Tyr Phe Phe Ser Thr Asp Thr Ile Ser Trp Ala Leu Ser Leu
 170 95 100 105
 171 Lys Asn Cys Ser Ala Met Gly Ala His Leu Val Val Ile Asn Ser
 172 110 115 120
 173 Gln Glu Glu Gln Glu Phe Leu Ser Tyr Lys Lys Pro Lys Met Arg
 174 125 130 135
 175 Glu Phe Phe Ile Gly Leu Ser Asp Gln Val Val Glu Gly Gln Trp
 176 140 145 150
 177 Gln Trp Val Asp Gly Thr Pro Leu Thr Lys Ser Leu Ser Phe Trp
 178 155 160 165
 179 Asp Val Gly Glu Pro Asn Asn Ile Ala Thr Leu Glu Asp Cys Ala
 180 170 175 180
 181 Thr Met Arg Asp Ser Ser Asn Pro Arg Gln Asn Trp Asn Asp Val
 182 185 190 195
 183 Thr Cys Phe Leu Asn Tyr Phe Arg Ile Cys Glu Met Val Gly Ile
 184 200 205 210
 185 Asn Pro Leu Asn Lys Gly Lys Ser Leu
 186 215

187 <210> SEQ ID NO: 4

188 <211> LENGTH: 276

189 <212> TYPE: PRT

190 <213> ORGANISM: Homo sapiens

W--> 191 <220> FEATURE:

192 <221> NAME/KEY: misc_feature

193 <223> OTHER INFORMATION: Incyte ID No: 1863994CD1

W--> 194 <400> SEQUENCE: 4

195 Met Glu Ser Arg Met Trp Pro Ala Leu Leu Ser His Leu Leu

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/965,529

DATE: 11/14/2001

TIME: 09:52:33

Input Set : A:\PTO.MBH.txt

Output Set: N:\CRF3\11142001\I965529.raw

196	1	5	10	15												
197	Pro	Leu	Trp	Pro	Leu	Leu	Leu	Pro	Leu	Pro	Pro	Pro	Ala	Gln		
198																
199	20	25	30													
200	Gly	Ser	Ser	Ser	Pro	Arg	Thr	Pro	Pro	Ala	Pro	Ala	Arg	Pro		
201																
202	35	40	45													
203	Pro	Cys	Ala	Arg	Gly	Gly	Pro	Ser	Ala	Pro	Arg	His	Val	Cys	Val	
204																
205	50	55	60													
206	Trp	Glu	Arg	Ala	Pro	Pro	Pro	Ser	Arg	Ser	Pro	Arg	Val	Pro	Arg	
207																
208	65	70	75													
209	Ser	Arg	Arg	Gln	Val	Leu	Pro	Gly	Thr	Ala	Pro	Pro	Ala	Thr	Pro	
210																
211	80	85	90													
212	Ser	Gly	Phe	Glu	Glu	Gly	Pro	Pro	Ser	Ser	Gln	Tyr	Pro	Trp	Ala	
213																
214	95	100	105													
215	Ile	Val	Trp	Gly	Pro	Thr	Val	Ser	Arg	Glu	Asp	Gly	Gly	Asp	Pro	
216																
217	110	115	120													
218	Asn	Ser	Ala	Asn	Pro	Gly	Phe	Leu	Asp	Tyr	Gly	Phe	Ala	Ala	Pro	
219																
220	125	130	135													
221	His	Gly	Leu	Ala	Thr	Pro	His	Pro	Asn	Ser	Asp	Ser	Met	Arg	Gly	
222																
223	140	145	150													
224	Asp	Gly	Asp	Gly	Ile	Ile	Leu	Gly	Glu	Ala	Pro	Ala	Thr	Leu	Arg	
225																
226	155	160	165													
227	Pro	Phe	Leu	Phe	Gly	Gly	Arg	Gly	Glu	Gly	Val	Asp	Pro	Gln	Leu	
228																
229	170	175	180													
230	Tyr	Val	Thr	Ile	Thr	Ile	Ser	Ile	Ile	Ile	Val	Leu	Val	Ala	Thr	
231																
232	185	190	195													
233	Gly	Ile	Ile	Phe	Lys	Phe	Cys	Trp	Asp	Arg	Ser	Gln	Lys	Arg	Arg	
234																
235	200	205	210													
236	Arg	Pro	Ser	Gly	Gln	Gln	Gly	Ala	Leu	Arg	Gln	Glu	Ser	Gln		
237																
238	215	220	225													
239	Gln	Pro	Leu	Thr	Asp	Leu	Ser	Pro	Ala	Gly	Val	Thr	Val	Leu	Gly	
240																
241	230	235	240													
242	Ala	Phe	Gly	Asp	Ser	Pro	Thr	Pro	Thr	Pro	Asp	His	Glu	Pro		
243																
244	245	250	255													
245	Arg	Gly	Gly	Pro	Arg	Pro	Gly	Met	Pro	His	Pro	Lys	Gly	Ala	Pro	
246																
247	260	265	270													
248	Ala	Phe	Gln	Leu	Asn	Arg										
249																
250	275															
251	233	<210>	SEQ ID NO:	5												
252	234	<211>	LENGTH:	375												
253	235	<212>	TYPE:	PRT												
254	236	<213>	ORGANISM:	Homo sapiens												
255	237	<220>	FEATURE:													
256	238	<221>	NAME/KEY:	misc_feature												
257	239	<223>	OTHER INFORMATION:	Incyte ID No:	2071941CD1											
258	240	<400>	SEQUENCE:	5												
259	241	Met	Ser	Ser	His	Lys	Gly	Ser	Val	Val	Ala	Gln	Gly	Asn	Gly	
260	242	1	5	10	15											
261	243	Pro	Ala	Ser	Asn	Arg	Glu	Ala	Asp	Thr	Val	Glu	Leu	Ala	Glu	Leu
262	244															
263	245	20	25	25	30											

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/965,529DATE: 11/14/2001
TIME: 09:52:54Input Set : A:\PTO.MBH.txt
Output Set: N:\CRF3\11142001\I965529.raw

L:11 M:283 W: Missing Blank Line separator, <120> field identifier
L:12 M:283 W: Missing Blank Line separator, <130> field identifier
L:13 M:283 W: Missing Blank Line separator, <140> field identifier
L:13 M:270 C: Current Application Number differs, Replaced Current Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:21 M:283 W: Missing Blank Line separator, <160> field identifier
L:23 M:283 W: Missing Blank Line separator, <210> field identifier
L:27 M:283 W: Missing Blank Line separator, <220> field identifier
L:30 M:283 W: Missing Blank Line separator, <400> field identifier
L:83 M:283 W: Missing Blank Line separator, <220> field identifier
L:86 M:283 W: Missing Blank Line separator, <400> field identifier
L:153 M:283 W: Missing Blank Line separator, <220> field identifier
L:156 M:283 W: Missing Blank Line separator, <400> field identifier
L:191 M:283 W: Missing Blank Line separator, <220> field identifier
L:194 M:283 W: Missing Blank Line separator, <400> field identifier
L:237 M:283 W: Missing Blank Line separator, <220> field identifier
L:240 M:283 W: Missing Blank Line separator, <400> field identifier
L:295 M:283 W: Missing Blank Line separator, <220> field identifier
L:298 M:283 W: Missing Blank Line separator, <400> field identifier
L:337 M:283 W: Missing Blank Line separator, <220> field identifier
L:340 M:283 W: Missing Blank Line separator, <400> field identifier
L:393 M:283 W: Missing Blank Line separator, <220> field identifier
L:396 M:283 W: Missing Blank Line separator, <400> field identifier
L:427 M:283 W: Missing Blank Line separator, <220> field identifier
L:430 M:283 W: Missing Blank Line separator, <400> field identifier
L:479 M:283 W: Missing Blank Line separator, <220> field identifier
L:482 M:283 W: Missing Blank Line separator, <400> field identifier
L:533 M:283 W: Missing Blank Line separator, <220> field identifier
L:536 M:283 W: Missing Blank Line separator, <400> field identifier
L:625 M:283 W: Missing Blank Line separator, <220> field identifier
L:628 M:283 W: Missing Blank Line separator, <400> field identifier
L:699 M:283 W: Missing Blank Line separator, <220> field identifier
L:702 M:283 W: Missing Blank Line separator, <400> field identifier
L:785 M:283 W: Missing Blank Line separator, <220> field identifier
L:788 M:283 W: Missing Blank Line separator, <400> field identifier
L:855 M:283 W: Missing Blank Line separator, <220> field identifier
L:858 M:283 W: Missing Blank Line separator, <400> field identifier
L:901 M:283 W: Missing Blank Line separator, <220> field identifier
L:904 M:283 W: Missing Blank Line separator, <400> field identifier
L:997 M:283 W: Missing Blank Line separator, <220> field identifier
L:1000 M:283 W: Missing Blank Line separator, <400> field identifier
L:1061 M:283 W: Missing Blank Line separator, <220> field identifier
L:1064 M:283 W: Missing Blank Line separator, <400> field identifier
L:1109 M:283 W: Missing Blank Line separator, <220> field identifier
L:1112 M:283 W: Missing Blank Line separator, <400> field identifier
L:1169 M:283 W: Missing Blank Line separator, <220> field identifier
L:1172 M:283 W: Missing Blank Line separator, <400> field identifier
L:1235 M:283 W: Missing Blank Line separator, <220> field identifier

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/965,529

DATE: 11/14/2001
TIME: 09:52:54

Input Set : A:\PTO.MBH.txt
Output Set: N:\CRF3\11142001\I965529.raw

L:1238 M:283 W: Missing Blank Line separator, <400> field identifier
L:1305 M:283 W: Missing Blank Line separator, <220> field identifier
L:1308 M:283 W: Missing Blank Line separator, <400> field identifier
L:1345 M:283 W: Missing Blank Line separator, <220> field identifier
L:2268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:2269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:2270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:3086 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62

STATISTICS SUMMARY
PATENT APPLICATION: US/09/965,529

DATE: 11/14/2001
TIME: 09:52:54

Input Set : A:\PTO.MBH.txt
Output Set: N:\CRF3\11142001\I965529.raw

Application Serial Number: US/09/965,529

Alpha or Numeric: Numeric

Application Class:

Application File Date: 09-26-2001

Art Unit: OIPE

Software Application: Other

Total Number of Sequences: 74

Total Nucleotides: 64095

Total Amino Acids: 13483

Number of Errors: 0

Number of Warnings: 159

Number of Corrections: 2

MESSAGE SUMMARY

270 C: 1 (Current Application Number differs)

271 C: 1 (Current Filing Date differs)

283 W: 155 (Missing Blank Line separator)

341 W: 4 ((46) "n" or "Xaa" used)